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**Olhava et al.**(10) **Pub. No.: US 2021/0206784 A1**(43) **Pub. Date: Jul. 8, 2021**(54) **PROTEASOME INHIBITORS**(71) Applicant: **Millennium Pharmaceuticals, Inc.**,  
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(57)

**ABSTRACT**

The present invention provides novel compounds useful as proteasome inhibitors. The invention also provides pharmaceutical compositions comprising the compounds of the invention and methods of using the compositions in the treatment of various diseases.